

## Abstract of the Disclosure

Disclosed herein is a golf ball with a solid core having a PGA compression of 55 or less and an outer cover layer having a Shore D hardness of at least 60, the ball having a PGA compression of 80 or less. In another embodiment of the invention, the ball has a mechanical impedance with a primary minimum value in a frequency range of 3100 Hz or less after the ball has been maintained at 21.1°C, 1 atm. and about 50% relative humidity for at least 15 hours. A further embodiment of the invention is a golf ball having a core, and a cover with a Shore D hardness of at least 58, the ball having a mechanical impedance with a primary minimum value in the frequency range of 2600 Hz after the ball has been maintained at 21.1°C, 1 atm. and about 50% relative humidity for at least 15 hours. The balls of the invention have good distance while providing a soft sound and feel.